



# Publishing with Amusewiki

Oslo, Nordic Perl Workshop 2018

Marco Pessotto (melmothX)

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Oslo, Nordic Perl Workshop 2018  
September 6, 2018

[amusewiki.org](http://amusewiki.org)

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- 0 downtime upgrades out of the box
- Predictability of locations and module versions (so gets more live testing)

Questions?

Thanks!

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♥ Archive ▾
 ... More ▾
 👤
 📖 Bookbuilder (1)

[Edit site configuration](#) / 
 [Custom formats for amusewiki.org](#) / 
 plain PDF

## Edit format plain PDF

Name

plain PDF

Description

Standard format. Changes to these fields will be ignored: format:pdf imposed:0 twoside:0

PDF

Slides

EPUB

**Please select the desired fonts**

Keep in mind that some character may be missing in the required font. Missing character will be

Please choose the main font

TeX Gyre Pagella

Please choose the sans font

CMU Sans Serif

Please choose the mono font

CMU Typewriter Text

Please choose the font size

10 pt

Choose a paper format (if you want to use a custom size, you need to set both width and height)

Generic (fits in A4 and Letter)

Width:

Standard ▾

Height:

Standard ▾

Division factor (Higher division factor means narrower margins):

13

- Debian people usually don't like private repositories

## Debian packages pros

- Installation is straightforward
- Maintenance for the administrator is integrated in the regular apt-get routine
- Much smaller installation footprint (mostly because the texlive installation is optimized and shared)
- Improved security
  - code is installed and owned by root, not by the user running the application
  - debian is taking care of the security updates of the dependencies (not only the perl dependencies, but also the libraries used by LaTeX, cgit and other utilities)

*AmuseWiki* ♥ ... 👤 (1) 📄 🔍  🔍

8	5	6	7
---	---	---	---

☐ 1x8x2: Fixed 16 pages signatures on a single sheet, with triple folding. [See here for more details.](#)

5	12	6	8	7	10	11	9
4	13	16	1	2	15	14	3

☐ EA-4x4: Fixed 16 pages signatures on 2 sheets, with double individual folding. [See here for more details.](#)

13	4	3	14	6	8	7	10
16	1	2	15	12	5	6	11

☐ 1x1: One page per sheet. This is useful only if you want to add the cropmarks

☒ Add crop marks to the PDF

Please select the size of each page including the crop marks, before the imposing (if you want to use a custom size,

Width:  Height:

## About me: Marco Pessotto

PAUSE id MELMOTHX

IRC melmothX on Libera Chat and [irc.perl.org](https://irc.perl.org)

E-mail [melmothx@gmail.com](mailto:melmothx@gmail.com)

Homepage <https://amusewiki.org>

IRC channel [irc://irc.libera.chat/#amusewiki](https://irc.libera.chat/#amusewiki)

GitHub <https://github.com/melmothx>

Background Humanities (history and translations)

## Main features

- Flat file storage, under Git
- Each text is stored in a single, self-contained, text file
- Rich range of output formats (PDF, Epub, HTML)
- Don't lock the users in: high decoupling (single text / archive / application)
- A comprehensive test suite
- Packaged for Debian: <http://packages.amusewiki.org>

## Overview

### Sample page

### Sample imposed PDF (more schemas available)

### Sample EPUB (on Firefox, Epubreader plugin)

### Sample Slides

- Amusewiki can be used to produce slides as well
- You are looking at them :-)



## Titles (37)

		Sorting:    Publication date Publication date						
Version 2.2 [en] Topics: Releases		Aug 15, 2018 9 pp.						
Mirroring a site running AmuseWiki [en] Topics: How-To		May 5, 2018 6 pp.						
Migrations [en] Topics: How-To		Feb 18, 2018 2 pp.						
Version 2.1 [en] Topics: Releases		Feb 18, 2018 9 pp.						
The Text::Amuse markup manual [en] Authors: John Wiegley Marco Pessotto Michael Olson Topics: Documentation How-To		Jan 27, 2018 56 pp.						
Offline tools [en] Topics: Documentation How-To		Dec 28, 2017 4 pp.						
Commenting system [en] Topics: How-To		Dec 27, 2017 1 pp.						
Site customization [en] Topics: Documentation How-To		Nov 26, 2017 2 pp.						

## Imposer

### Fine tuning for formats

## Any time left? Debian packages

Instead of running the app from the git tree on a dedicated home, with a `local::lib` tree or with a perl installed in the home, now you can visit <http://packages.amusewiki.org/> and follow the instructions there (import the key, add the repository, and install the package).

Minimum requirement: Debian Jessie and Ubuntu 16.04 LTS.

<https://github.com/melmothx/amusewiki-debian-packages>

## Debian packages cons

- More burden on the developer
- Trivial changes require a package rebuild
- Needs to ship about 25 new packages (fonts and perl modules)
- Can't use fresh code from the module used without being too invasive.

Directives at the beginning of a document  
Correcting the hyphenation in the PDF output  
Bold, italicized and monospace text, non breaking space.  
Non-breaking space.  
Footnotes  
Secondary footnotes (support added in Text::Amuse 0.91, 2017-12-10)  
Poetic stanzas  
Lists  
Breaking lists  
Nested lists  
Breaking list items  
Complete example  
List continuation  
Generation of data tables  
Floating tables  
Hyperlinks with or without description (and images)  
Images  
Floating images and adjusting width  
Examples  
Inserting a horizontal line  
Named anchors  
Lines to omit from published output  
Plays and bibliographies  
Preventing the markup to be interpreted (verbatim)  
Differences between Text::Amuse and Emacs

### List continuation

If you need to start a list from an index different than 1, starting with Text::Amuse 0.90 (released on August 30, 2017), you can do so simply using it in the list. Indexes provided are so respected, unless they are the number 1. So the rule is: **if you need automatic numbering, just use 1. or a. or A. or i. or I., otherwise use your custom numbering.** Any other solution will be confusing and you can expect undefined behaviour.

```

b. This list with start with b
d. This will be "d" as well
3. This starts at 3
2. This is 2 as well.
iv. Roman iv.
1. Roman v. as 1. acts as automatic numbering
a. This will be e. because it's index 1 and continues the list (interrupted at d.)
a. This will be f. because it's incrementing the previous item.
1. Normal numeric
1. Normal numeric 2.
1. Normal numeric 3.
V. Roman V.
X. Roman X.

```

And results in:

```

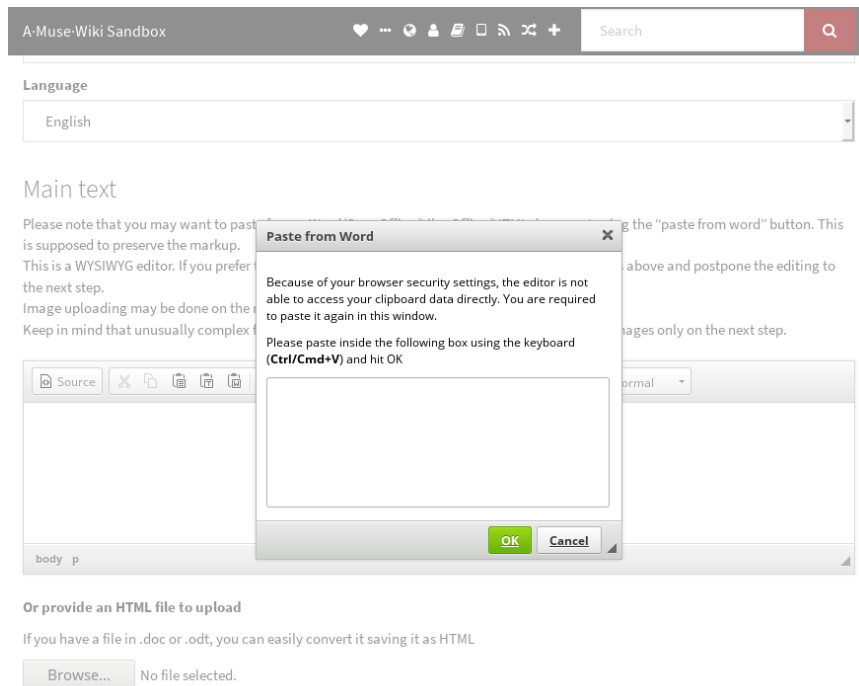
b. This list with start with b
d. This will be "d" as well

3. This starts at 3
2. This is 2 as well.

iv. Roman iv.

```

## Upload a text (with an HTML importer)



## Editing

## Ready to publish?

## Checking

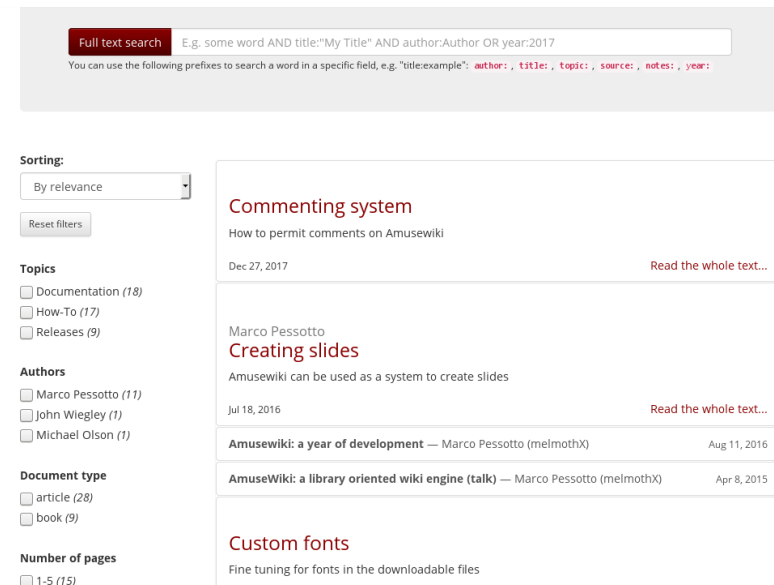
## Publish (tailing a background daemon)

## Done

## Source sample

- Borrowed from Emacs Muse <https://www.gnu.org/software/emacs-m>

## Powerful and fast faceted search, powered by Xapian



## Static but functional mirror

```
wget -q -O - https://amusewiki.org/mirror.txt | \
  wget -x -N -q -i -
```

## Bookbuilder

Tutorial available at <https://amusewiki.org/library/bookbuilder-tutorial>



- Supported (read/write) by Pandoc <https://pandoc.org/>

```
#title My title
#author John Doe
#lang en
```

**\*\* Chapter one**

And **\*\*here\*\*** the **\*text\*** starts

1. Foo
2. Bar

## Modules and offline tools

**Text::Amuse** The parser

**Text::Amuse::Preprocessor** Typographical filters (`muse-preprocessor.pl`) and HTML importer (`html-to-muse.pl`)

**Text::Amuse::Compiler** The compiler (`muse-compile.pl`)

**PDF::Imposition** The PDF imposer (`pdf-imposer.pl`)

**PDF::Cropmarks** Add cropmarks to the PDF (`pdf-cropmarks.pl`)

## Web Frontend

**Framework** Catalyst

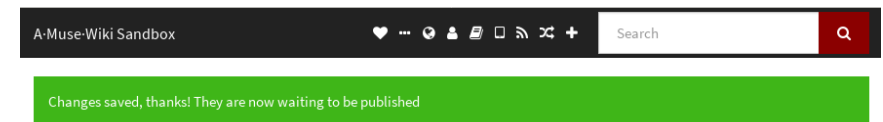
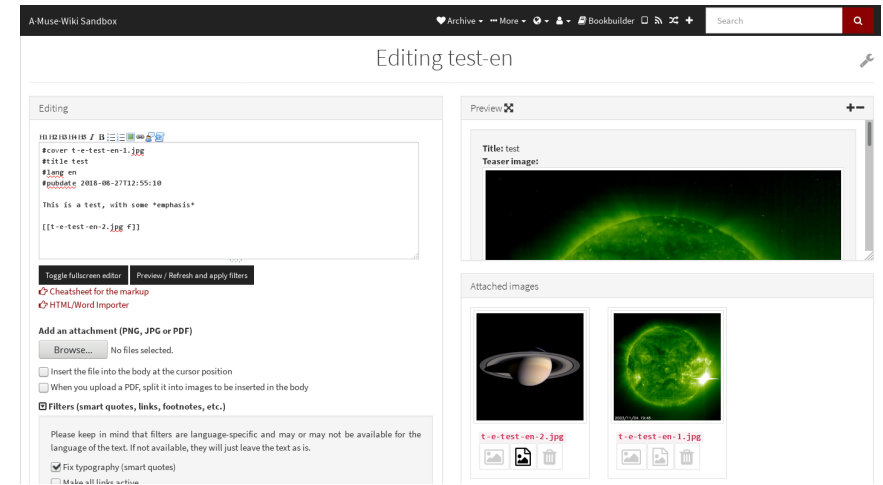
**Layout** Bootstrap

**Multisite** on one instance you can run as many sites you want

**Database** DBIx::Class (SQLite, MySQL, PostgreSQL) and DBIx::Class::Dep for automatic upgrades

**Templating** Template Toolkit

**Localization** Danish, German, English, Spanish, Finnish, French, Serbo-Croatian, Italian, Macedonian, Dutch, Russian, Albanian, Swedish



### Pending revisions

Revision	Attachments	Action	Changes	Message	Date
<a href="#">New</a> <a href="#">/library/test-en</a>	<a href="#">t-e-test-en-1.jpg</a> <a href="#">t-e-test-en-2.jpg</a>	<a href="#">Publish</a>	<a href="#">Show differences in other tab</a>	* 2018-08-27T13:01:06 test -- marco	27-08-2018 13:01:06 UTC
<a href="#">/library/prova-en</a>		<a href="#">Publish</a>	<a href="#">Show differences in other tab</a>	* 2018-05-12T13:37:49 x -- marco	12-05-2018 13:37:49 UTC

Please keep in mind that if you see "Force publishing" as action, it means that the revision has been superseded by another one, so publishing this one, you'll end up reverting a previous one. Try to avoid this, unless you know what you're doing.

"Stale editing" means that the revision was abandoned while editing, but it's still there, in case someone wants to pick it up when editing a text.

Deleting a revision is safe if a text has been published. Otherwise deleting it you'll lose the unpublished changes

A Muse-Wiki Sandbox

ArchiveMoreBookbuilderSearch

Changes for test-en (revision #688) 

This text is new

Your changes are saved and can be checked every time you hit Preview or Save

#title test

#lang en

#pubdate 2018-08-27T12:55:10

#cover t-e-test-en-1.jpg

#title test

#lang en

#pubdate 2018-08-27T12:55:10

This is a test, with some "emphasis"

[[t-e-test-en-2.jpg|]]

Recheck

#cover t-e-test-en-1.jpg

#title test

#lang en

#pubdate 2018-08-27T12:55:10

This is a test, with some "emphasis"

[[t-e-test-en-2.jpg|]]

A Muse-Wiki Sandbox

HeartMoreUserLibraryRSSSettingsHelpSearch

Status: completed  
Changes applied

```
Job publish started at Mon Aug 27 15:03:11 2018
Inserting data for attachment ./repo/sandbox/t/te/t-e-test-en-2.jpg and generating thumbnails
Inserting data for attachment ./repo/sandbox/t/te/t-e-test-en-1.jpg and generating thumbnails
Working on test-en.muse file in ./repo/sandbox/t/te
* Created test-en.bare.html
* Created test-en.html
* Created test-en.epub
* Created test-en.tex
* Created test-en.zip
Inserting data for ./repo/sandbox/t/te/test-en.muse
Changing test-en status from editing to published
Updating test-en in Xapian db
Scheduled generation of /library/test-en.a4.pdf (A4 imposed PDF) as task number #149952
Scheduled generation of /library/test-en.lt.pdf (Letter imposed PDF) as task number #149953
Scheduled generation of /library/test-en.pdf (plain PDF) as task number #149954
Updating title and category sorting
Updated 14 records in 0 seconds
Scheduled static indexes generation
Job publish finished at Mon Aug 27 15:03:12 2018
```

Changes applied  
Static page without javascript

A Muse-Wiki Sandbox

HeartMoreUserLibraryRSSSettingsHelpSearch

A Muse Wiki Sandbox

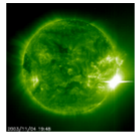
This is a sandbox and is meant to show the feature of this wiki engine.  
You are free to try to edit, upload and publish texts. >>

Latest entries

test [en]

This is a sample text.

Aug 27, 2018



Read the whole text...